

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

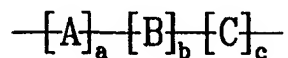
Listing of Claims:

Claims 1-17 (Canceled).

18. (Original) A method of fabricating a liquid crystal display device comprising:
 preparing a first substrate and a second substrate;
 forming a photo-alignment layer at least on the first substrate, wherein the photo-alignment layer has an ethenyl group at a main chain; and
 forming a liquid crystal layer between the first and second substrates.

19. (Original) The method of claim 18, wherein the photo-alignment layer is formed of a material having a photo-reactive ethenyl group on a polymer main chain, wherein the polymer is denoted by the following chemical formula 1:

{chemical formula 1}

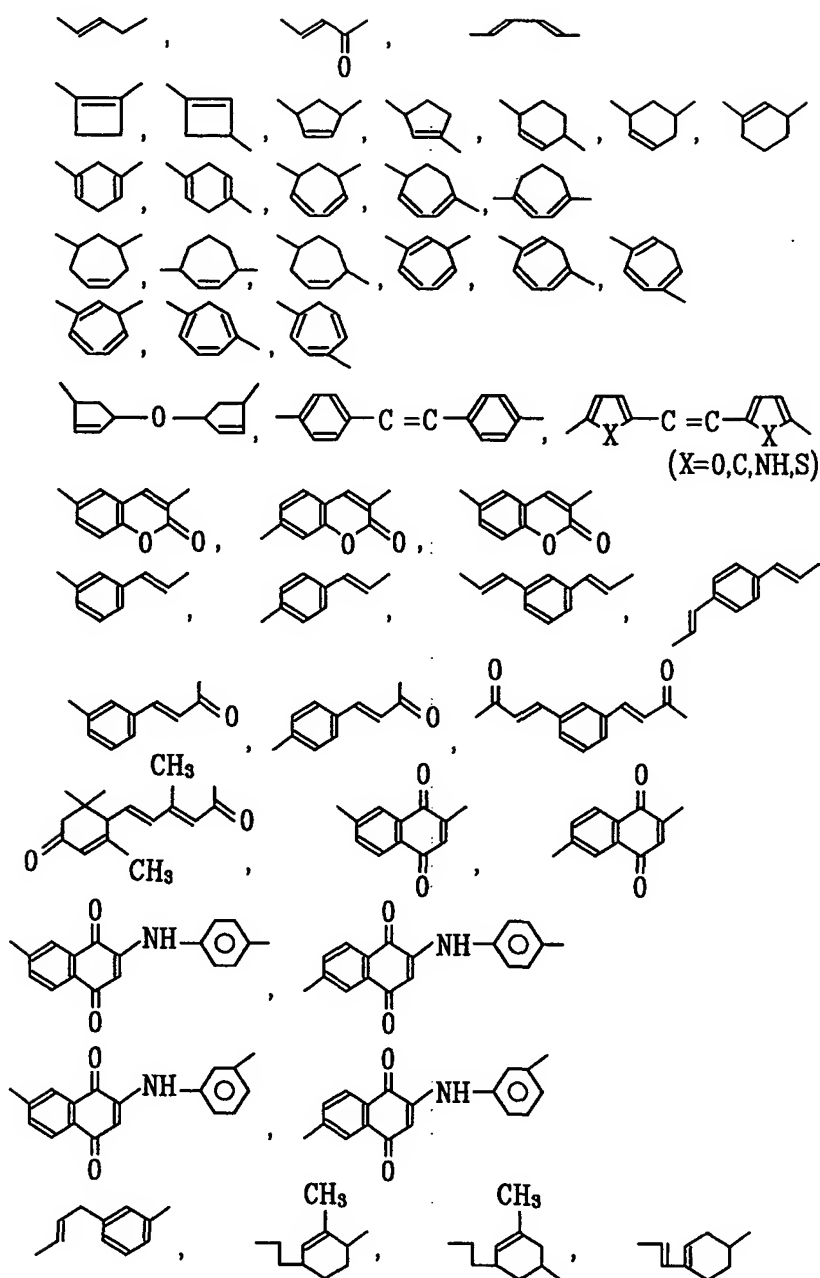


,

wherein subscripts a, b, and c denote a component ratio of respective monomers, wherein $0 < a \leq 1$, $0 \leq b < 1$, and $0 \leq c < 1$, and wherein component A, which is a monomer including the photo-reactive ethenyl group, is selected from groups designated in chemical formula 2, substituted-

structure groups of the chemical formula 2 with a halogen, cyano, nitro, amino group, and other substituted-structure groups with an alkyl and haloalkyl, and cyanoalkyl group having 1 to 10 carbons or an aryl, alkyl, aryl, haloaryl, haloalkyl aryl, nitroaryl, cyanoaryl group having 3 to 8 carbons;

{Chemical Formula 2}

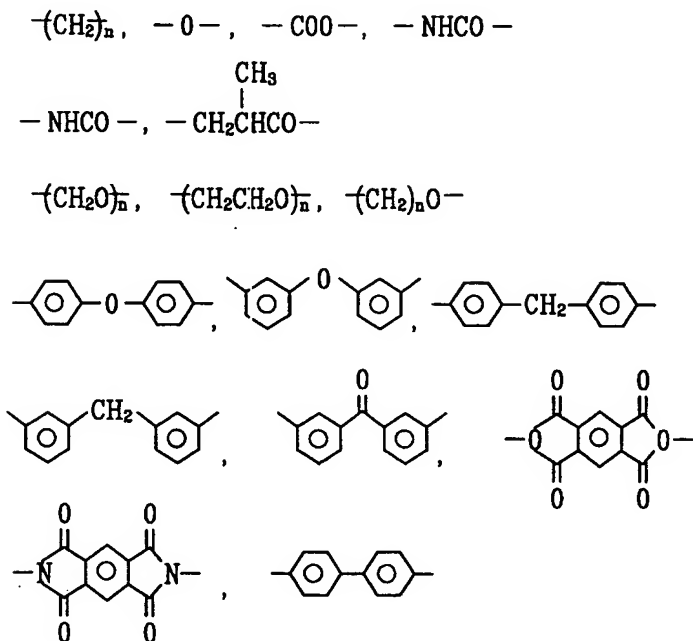


2

20. (Original) The method of claim 19, wherein components B and C are selected independently from groups shown in chemical formula 3, substituted-structure groups of the chemical formula 3 with a halogen, cyano, nitro, amino group, other substituted-structure groups

with carbonated groups of which carbon number n lies between 1 and 10 such as an alkyl, haloalkyl, and cyanoalkyl, and other carbonated groups of which carbon number lies between 3 and 8 such as an alkylaryl, haloaryl, haloalkylaryl, nitroaryl, cyanoaryl;

{Chemical Formula 3}



21. (Original) The method of claim 18, further comprising:

forming a gate line and a crossing data line on the first substrate;

forming a thin film transistor at a crossing between the gate and data lines; and

forming a pixel electrode connected to the thin film transistor.

22. (Original) The method of claim 18, wherein the photo-alignment layer is formed by light-irradiation.

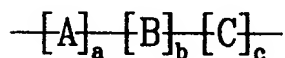
23. (Original) The method of claim 22, wherein the light-irradiation is irradiated at least once.

24. (Original) The method of claim 22, wherein the light is selected from a group consisting of unpolarized light, non-polarized light, linearly polarized light and partially polarized light.

25. (Original) A method of fabricating a liquid crystal display device comprising:
 preparing a first substrate and a second substrate;
 forming a photo-alignment on the first substrate, wherein the photo-alignment layer includes an ethenyl group at a main chain;
 forming a rubbing alignment layer on the second substrate; and
 forming a liquid crystal layer between the first and second substrates.

26. (Original) The method of claim 25, wherein the photo-alignment layer is formed of material having at least a photo-reactive ethenyl group at a polymer main chain, wherein the polymer is denoted by the following chemical formula 1:

{chemical formula 1}

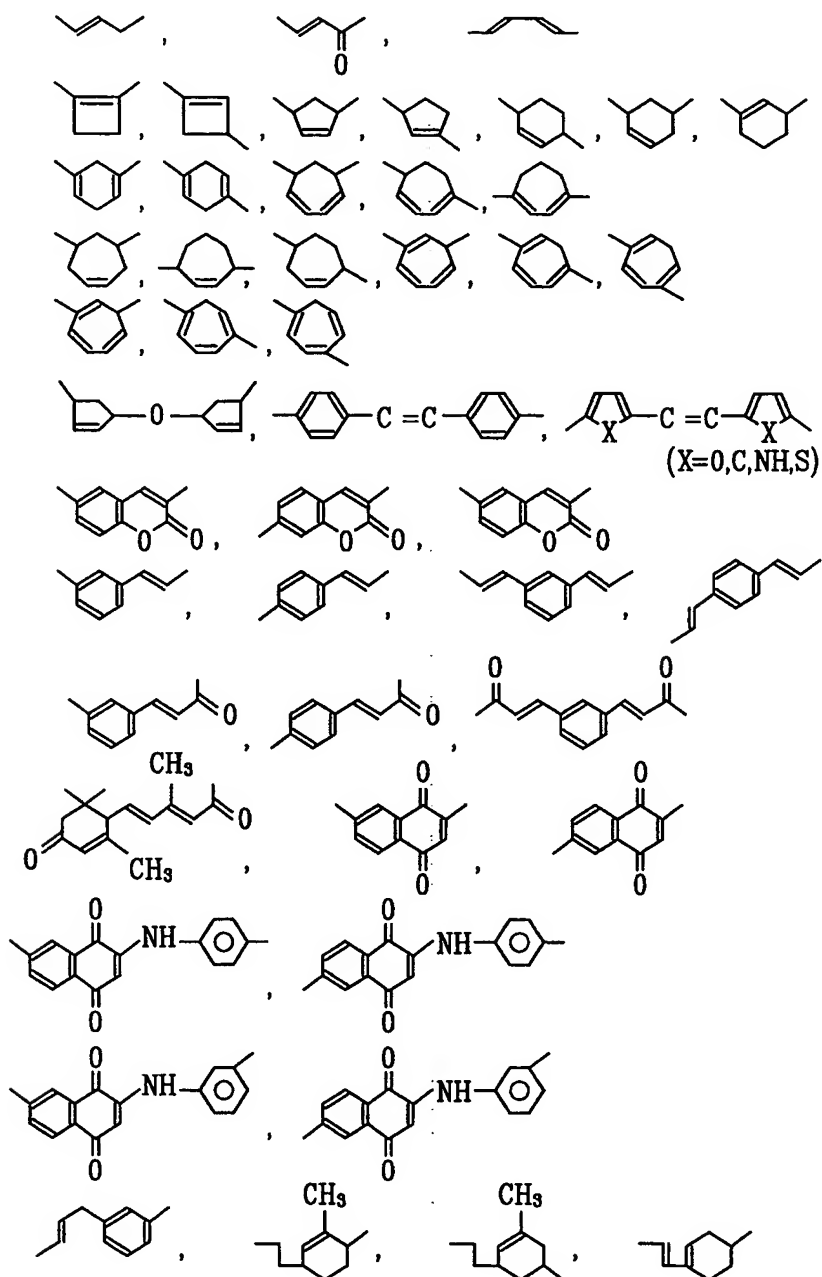


,

wherein subscripts a, b, and c denote a component ratio of respective monomers, wherein $0 < a \leq 1$, $0 \leq b < 1$, and $0 \leq c < 1$, and wherein component A, a monomer including the photo-reactive ethenyl group, is selected from groups designated in chemical formula 2, substituted-structure

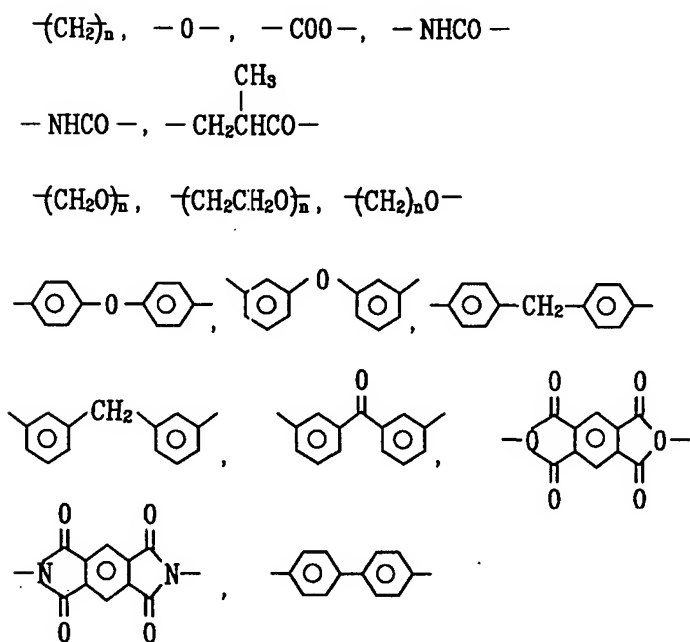
groups of chemical formula 2 with a halogen, cyano, nitro, amino group, and other substituted-structure groups with a alkyl and haloalkyl, and cyanoalkyl group having 1 to 10 carbons or an aryl, alkyl, aryl, haloaryl, haloalkyl aryl, nitroaryl, cyanoaryl group having 3 to 8 carbons;

{Chemical Formula 2}



27. (Original) The method of claim 26, wherein components B and C are selected from groups shown in chemical formula 3, substituted-structure groups of chemical formula 3 with a halogen, cyano, nitro, amino group, other substituted-structure groups with carbonated groups of which carbon number n lies between 1 and 10 such as an alkyl, haloalkyl, and cyanoalkyl, and other carbonated groups of which carbon number lies between 3 and 8 such as an alkylaryl, haloaryl, haloalkyl aryl, nitroaryl, cyanoaryl;

{Chemical Formula 3}



28. (Original) The method of claim 25, further comprising:

forming a gate line and a crossing data line on the first substrate;

forming a thin film transistor at a crossing between the gate and data lines; and

forming a pixel electrode connected to the thin film transistor.

29. (Original) The method of claim 25, wherein the photo-alignment layer is formed by light-irradiation.

30. (Original) The method of claim 29, wherein the light-irradiation is irradiated at least once.

31. (Original) The method of claim 29, wherein a light used for light-irradiation is selected from a group consisting of unpolarized light, non-polarized light, linearly polarized light and partially polarized light.

32. (Original) The method of claim 25, wherein the rubbing alignment layer is selected from a group consisting of polyimide, polyamide, polyamic acid and SiO₂.

Claims 33 and 34 (Canceled).